
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Phillips, et al.

Attorney Docket No.:
CISCP178C2/8348

Application No.: NEW

Examiner: UNASSIGNED

Filed: HEREWITH

Group: UNASSIGNED

Title: ENHANCED NETWORK SERVICES
USING A SUBNETWORK OF
COMMUNICATING PROCESSORS

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on September 19, 2003 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV334021453US, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signed: 

Ryan Eachus

**INFORMATION DISCLOSURE STATEMENT
37 CFR §§1.56 AND 1.97(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants submit the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a continuation of prior application U.S. Patent Application No. 09/738,435. filed on December 14, 2000. This prior application is being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references were either cited by the PTO, or submitted to the PTO in the prior application, under 37 CFR § 1.98(d) Applicants submit that copies need not be provided.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first

Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. CISCP178C2)

Respectfully submitted,
BEYER WEAVER & THOMAS, LLP



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Form 1449 (Modified)				Atty Docket No. CISCP178C2/8348	Application No.: NEW	
Information Disclosure Statement By Applicant				Applicant: Phillips, et al.		
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U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A1	Re. 33,900	04/28/92	Howson	370	105	07/31/89
	A2	4,131,767	12/26/78	Weinstein	179	170.2	2/22/78
	A3	4,161,719	07/19/79	Parikh, et al	340	147	10/04/77
	A4	4,316,284	02/16/82	Howson	370	147	09/11/80
	A5	4,397,020	08/02/83	Howson	370	105	10/13/80
	A6	4,419,728	12/06/83	Larson	364	200	06/22/81
	A7	4,424,565	01/03/84	Larson	364	200	06/22/81
	A8	4,437,087	03/12/84	Petr	340	347 DD	01/27/82
	A9	4,438,511	3/20/84	Baran	370	19	11/10/80
	A10	4,439,763	03/27/84	Limb	340	825.5	09/03/81
	A11	4,445,213	04/24/84	Baugh, et al	370	94	01/22/82
	A12	4,446,555	05/01/84	Devault, et al	370	94	02/22/82
	A13	4,456,957	06/26/84	Scheiltz	364	200	09/28/81
	A14	4,464,658	08/07/84	Thelen	340	825.5	03/05/82
	A15	4,499,576	02/12/85	Fraser	370	60	08/12/82
	A16	4,506,358	03/19/85	Montgomery	370	60	06/25/82
	A17	4,507,760	03/26/85	Fraser	365	221	08/13/82
	A18	4,532,626	07/30/85	Flores, et al	370	85	07/19/82
	A19	4,644,532	02/17/87	George, et al	370	94	06/10/85
	A20	4,646,287	02/24/87	Larson, et al	370	60	12/07/84
	A21	4,677,423	06/30/87	Benvenuuto, et al	340	347	01/06/86
	A22	4,679,189	07/87	Olsen, et al	370	60	
	A23	4,679,227	07/07/87	Hughes-Hartogs	379	98	05/20/85
	A24	4,723,267	02/02/88	Jones, et al	379	93	06/17/85
	A25	4,731,816	03/15/88	Hughes-Hartogs	379	98	01/12/87
	A26	4,750,136	06/07/88	Arpin, et al	364	514	01/10/86
	A27	4,757,495	07/12/88	Decker, et al	370	76	03/05/86
	A28	4,763,191	08/09/88	Gordon, et al	358	86	03/17/86
	A29	4,769,810	09/06/88	Eckberg Jr., et al	370	60	12/31/86
	A30	4,769,811	09/06/88	Eckberg Jr., et al	370	60	12/31/86
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Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A31	4,771,425	09/13/88	Baran, et al	370	85	10/29/84
	A32	4,819,228	04/04/89	Baran, et al	370	85	10/15/87
	A33	4,827,411	05/02/89	Arrowood, et al			
	A34	4,833,706	05/23/88	Hughes-Hartogs	379	98	01/05/88
	A35	4,835,737	05/30/89	Herrig, et al	364	900	07/21/86
	A36	4,879,551	11/07/89	Georgiou, et al	340	825.870	04/26/85
	A37	4,893,306	01/09/90	Chao, et al	370	94.2	11/10/87
	A38	4,903,261	02/20/90	Baran, et al	370	94.2	03/09/88
	A39	4,922,486	05/01/90	Lidinsky, et al	370	60	03/31/88
	A40	4,933,937	06/12/90	Konishi	370	85.13	11/23/87
	A41	4,960,310	10/02/90	Cushing	350	1.7	08/04/89
	A42	4,962,497	10/09/90	Ferenc, et al	370	60.1	09/21/89
	A43	4,962,532	10/09/90	Kasiraj, et al	380	25	12/22/88
	A44	4,965,772	10/23/90	Daniel, et al			
	A45	4,965,767	10/90	Kinoshita, et al			
	A46	4,970,678	11/13/90	Sladowski, et al	364	900	06/28/88
	A47	4,980,897	12/25/90	Decker, et al	375	38	08/12/88
	A48	4,991,169	02/05/91	Davis, et al	370	77	08/02/88
	A49	5,003,595	03/26/91	Collins, et al	380	25	08/29/89
	A50	5,014,265	05/07/91	Hahne, et al	370	.60	11/30/89
	A51	5,020,058	05/28/91	Holden, et al	370	190	01/23/89
	A52	5,033,076	07/16/91	Jones, et al	379	67	01/31/90
	A53	5,034,919	07/91	Sassai, et al			
	A54	5,054,034	10/01/91	Hughes-Hartogs	375	8	06/15/89
	A55	5,059,925	10/22/91	Weisbloom	331	1A	09/28/90
	A56	5,072,449	12/10/91	Enns, et al	371	37.1	02/15/90
	A57	5,088,032	02/11/92	Bosak	395	200	01/29/88
	A58	5,095,480	03/92	Fenner	370	94.1	
	A59	5,115,431	05/19/92	Williams, et al	370	94.1	09/28/90
	A60	5,128,945	07/07/92	Enns, et al	371	37.1	10/31/91
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	A61	5,136,580	08/04/92	Videlock, et al	370	60	05/16/90
	A62	5,166,930	11/24/92	Braff, et al	370	94.1	12/17/90
	A63	5,199,049	03/30/93	Wilson	375	104	04/27/90
	A64	5,206,886	04/27/93	Bingham	375	97	04/16/90
	A65	5,208,811	05/04/96	Kashio, et al			
	A66	5,212,686	05/18/93	Joy, et al	370	60	09/29/89
	A67	5,224,099	06/29/93	Corbalis, et al	370	94.2	05/17/91
	A68	5,226,120	07/06/93	Brown, et al	395	200	05/21/90
	A69	5,228,062	07/13/93	Bingham	375	97	05/27/92
	A70	5,229,994	07/20/93	Balzano, et al	370	85.13	09/27/91
	A71	5,237,564	08/17/93	Lespagnol, et al	370	60.1	04/05/91
	A72	5,241,682	08/31/93	Bryant, et al	395	800	04/18/91
	A73	5,243,342	09/07/93	Kattemalalavadi, et al	341	106	07/22/92
	A74	5,243,596	09/07/93	Port, et al	370	94.1	03/18/92
	A75	5,247,516	09/21/93	Bernstein, et al	370	82	03/28/91
	A76	5,249,178	09/28/93	Kurano, et al	370	60	07/26/91
	A77	5,253,251	10/12/93	Aramaki			
	A78	5,255,291	10/19/93	Holden, et al	375	111	11/14/88
	A79	5,260,933	11/09/93	Rouse	370	14	05/15/92
	A80	5,260,978	11/09/93	Fleisher, et al	375	106	10/30/92
	A81	5,268,592	12/07/93	Bellamy, et al	307	94.1	02/26/91
	A82	5,268,900	12/07/93	Hluchyi, et al	370	94.1	07/05/91
	A83	5,271,004	12/14/93	Proctor, et al	370	60	08/27/91
	A84	5,274,631	12/28/93	Bhardwaj	370	60	03/11/91
	A85	5,274,635	12/28/93	Rahman, et al	370	60.1	11/18/92
	A86	5,274,643	12/28/93	Fisk	370	94.1	12/11/92
	A87	5,280,470	01/18/94	Buhrke, et al	370	13	02/03/93
	A88	5,280,480	01/18/94	Pitt, et al	370	85.13	02/21/91
	A89	5,280,500	01/18/94	Mazzola, et al	375	17	10/10/91
	A90	5,283,783	02/01/94	Nguyen, et al	370	16.1	01/28/93
	A91	5,287,103	02/15/94	Kasprzyk, et al	340	825.52	12/30/91
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	A92	5,287,453	02/94	Roberts	395	200	
	A93	5,291,482	03/01/94	McHarg, et al	370	60	07/24/92
	A94	5,305,311	04/19/94	Lyles	370	60	05/20/92
	A95	5,307,343	04/26/94	Bostica, et al	370	60	11/27/90
	A96	5,311,509	05/10/94	Heddes, et al			
	A96	5,313,454	05/17/94	Bustini, et al	370	13	04/01/92
	A97	5,313,582	05/17/94	Hendal, et al	395	250	04/30/91
	A98	5,317,562	05/31/94	Nardin, et al	370	16	05/07/93
	A99	5,319,644	06/07/94	Liang	370	85.5	08/21/92
	A100	5,327,421	07/05/94	Hiller, et al	370	60.1	11/06/92
	A101	5,331,637	07/19/94	Francis, et al	370	54	07/30/93
	A102	5,345,445	09/06/94	Hiller, et al	370	60.1	11/06/92
	A103	5,345,446	09/06/94	Hiller, et al	370	60.1	11/06/92
	A104	5,359,592	10/25/94	Corbalis, et al	370	17	06/25/93
	A105	5,361,250	11/01/94	Nguyen, et al	370	16.1	11/03/93
	A106	5,361,256	11/01/94	Doeringer, et al	370	60	05/27/93
	A107	5,361,259	11/01/94/	Hunt, et al	370	84	02/19/93
	A108	5,365,524	11/15/94	Hiller, et al	370	94.2	11/06/92
	A109	5,367,517	11/22/94	Cidon, et al	370	54	12/16/92
	A110	5,371,852	12/06/94	Attanasio, et al	395	200	10/14/92
	A111	5,386,567	01/31/95	Lien, et al	395	700	10/14/92
	A112	5,390,170	02/14/95	Sawant, et al	370	58.1	06/29/93
	A113	5,390,175	02/14/95	Hiller, et al	370	60	12/20/93
	A114	5,394,394	02/28/95	Crowther, et al	370	60	06/24/93
	A115	5,394,402	02/28/95	Ross	370	94.1	06/10/94
	A116	5,400,325	03/21/95	Chatwani, et al	370	60.1	06/29/93
	A117	5,408,469	04/18/95	Opher, et al	370	60.1	06/22/93
	A118	5,416,842	05/16/95	Aziz	380	30	06/10/94
	A119	5,422,880	06/06/95	Heitkamp, et al	370	60	04/05/93
	A120	5,422,882	06/06/95	Hiller, et al	370	60.1	12/20/93

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Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A121	5,423,002	06/06/95	Hart	395	200	02/28/94
	A122	5,426,636	06/20/95	Hiller, et al	370	60.1	12/20/93
	A123	5,428,607	06/27/95	Hiller, et al	370	60.1	12/20/93
	A124	5,430,715	07/04/95	Corbalis, et al	370	54	09/15/93
	A125	5,442,457	08/15/95	Najafi Hamid	385	400	01/11/93
	A126	5,442,630	08/15/95	Gagliardi, et al	370	85.13	12/14/93
	A127	5,452,297	09/19/95	Hiller, et al	370	60.1	12/20/93
	A128	5,473,599	12/05/95	Li, et al	370	16	04/22/94
	A129	5,473,607	12/05/95	Hausman, et al	370	85.13	08/09/93
	A130	5,477,541	12/19/95	White, et al			
	A131	5,485,455	01/16/96	Dobbins, et al			
	A132	5,490,140	02/06/96	Abensour, et al			
	A133	5,490,258	02/96	Fenner	395	401	
	A134	5,491,687	02/13/96	Christensen, et al	370	17	09/28/94
	A135	5,491,804	02/13/96	Heath, et al	395	275	01/04/91
	A136	5,497,368	03/05/96	Reijnerse, et al			
	A137	5,504,747	04/02/96	Sweasey			
	A138	5,509,006	04/16/96	Wilford, et al	370	60	04/18/94
	A139	5,513,314	04/99	Kandasamy, et al	214	6	
	A140	5,517,494	05/14/96	Green			
	A141	5,519,704	05/21/96	Farinacci, et al	370	85.13	04/21/94
	A142	5,526,489	06/11/96	Nilakantan, et al	395	200.02	03/19/93
	A143	5,530,963	06/25/96	Moore, et al	395	200.15	12.16.93
	A144	5,535,195	07/09/96	Lee	370	54	05/06/94
	A145	5,539,734	07/223/96	Burwell, et al			
	A146	5,555,244	09/10/96	Gupta, et al			
	A147	5,561,669	10/01/96	Lenney, et al	370	60.1	10/26/94
	A148	5,583,862	12/20/96	Callon	370	397	03/28/95
	A149	5,592,470	01/07/97	Rudrapatna, et al	370	320	12/21/94
	A150	5,598,581	01/28/97	Daines, et al	395	872	08/06/93
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A152	5,600,798	02/04/97	Cherukuri, et al			
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A154	5,604,868	02/18/97	Komine, et al			
A155	5,608,726	03/04/97	Virgile			
A156	5,617,417	04/01/97	Saithe, et al	370	394	09/07/94
A157	5,617,421	04/01/97	Chin, et al	370	402	06/17/94
A158	5,630,125	05/97	Zellweger	395	614	
A159	5,631,908	05/20/97	Saxe			
A160	5,632,021	05/20/97	Jennings, et al	395	309	10/25/95
A161	5,634,010	10/21/94	Ciscon, et al	395	200.68	
A162	5,638,359	06/10/97	Peltola, et al			
A163	5,644,718	11/10/94	Belove, et al	395	200.68	
A164	5,659,684	08/19/97	Giovannoni, et al			
A165	5,666,353	09/09/97	Klausmeier, et al			
A166	5,673,265	09/30/97	Gupta, et al			
A167	5,678,006	10/14/97	Valizadeh, et al			
A168	5,684,797	11/97	Aznar, et al	370	390	
A169	5,687,324	11/11/97	Green, et al			
A170	5,689,506	11/97	Chiussu, et al	370	388	
A171	5,694,390	12/21/97	Yamato, et al			
A172	5,724,351	03/03/98	Chao, et al			
A173	5,740,097	04/98	Satch			
A174	5,748,186	05/98	Raman	345	302	
A175	5,748,617	05/05/98	McLain, Jr.			
A176	5,754,547	05/19/98	Nakazawa			
A177	5,835,710	11/0/98	Nagami, et al			
A178	5,841,874	11/98	Kemple, et al			
A179	5,854,903	12/29/98	Morrison et al			
A180	5,838,912	11/98	Poon, et al	709	204	
A181	5,898,686	04/27/99	Virgile			
A182	5,937,162	08/99	Funk, et al	709	206	
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Foreign Patent or Published Foreign Patent Application

Examiner Initial	Document No.	Publicatio n Date	Country or Patent Office	Class	Sub- class	Translation	
						Yes	No
	B1	WO 93/07569	04/15/93	PCT	G06F 13	40	X
	B2	WO 93/07692	04/15/93	PCT	H04J 3	24	X
	B3	WO 94/01828	01/20/94	PCT	G06F 15	40	X
	B4	0/567 217 A2	10/27/93	EPO	H04L 12	46	X
	B5	WO 95/20850	08/03/95	PCT	H04L 12	65	X
	B6	0 431 751 A1	11/02/90	EPO	H041 12	46	X
	B7	0 384 758	02/22/90	EPO	56		X

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	Allen, M. "Novell IPX Over Various Wan Meida (IPXWAN)", Network Working Group, RFC 1551, December 1993, pp. 1-22
	C2	Becker D., "3c589.c: A 3c589 Etherlink3 Ethernet Driver For Linux", becker@CESDIS.gsfc.nasa.gov , May 3, 1994, pp.1-13
	C3	Pei, et al., "Putting Routing Tables in Silicon", IEEE Network Magazine, January 1992, pp. 42-50
	C4	Perkins, D., "Requirements for an Internet Standard Point-to Point Protocol", Network Working Group, RFC 1547, December 1993, pp. 1-19
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	C5	Simpson, W., "The Point-to -Point Protocol (PPP)", Network Working Group, RFC 1548, December 1993, pp. 1-53
	C6	Tusuchiya,, P.F., "A Search Algorithm for Table Entries with NonContiguous Wildcarding", Abract, Bellcore.
	C7	Esaki, et al., "Datagram Delivery in an ATM-Internet", IEICE Transactions on Communications Vol. E77-B, No. 3, (1994) March, Tokyo, Japan.
	C8	Chowdhury, et al., "Alternative Bandwidth Allocation Algorithm for Packet Video in ATM Networks," 1992, IEEE Infocom 92, pp. 1061-1068
	C9	Zhang,et al., "Rate-Controlled Static-Priority Queuing", 1993, IEEE, pp. 227-236
	C10	Doeringer, et al., "Routing on Longest-Matching Prefixes", IBM, " Method and Apparatus for the Statistical Multiplexing of Voice, Data and Image Signals", November, 1992, IBM Technical Data Bulletin n6 11-92, pp. 409-411.
	C11	IBM Corporation, "Method and Apparatus for the Statistical Multiplexing of Voice Data and Image Signals", IBM Technical Disclosure Bulletin, No. 6, November 1992, pp. 409-411
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.